



TECHNOLOGY AREA TEMPLATE

DEFINITION

<i>Name</i>	Mainframe based
<i>Description</i>	Enterprise class server optimized for high-volume transactions and user populations in the 10s of thousands to 100s of thousands. General purpose design and workload management provides for a wide variety of workloads to optimally use the hardware facilities. Design allows for optimal utilization while delivering on service level agreements – balanced system approach.
<i>Rationale</i>	Mainframe application development is a prevalent function in the State. It provides a means for the State to meet the needs of high volume transactions, large user populations, scalability, reliability, and allow leveraging of their existing investment.
<i>Benefits</i>	<p>Benefits are:</p> <ul style="list-style-type: none">• Supports user interfaces from textual to graphical (GUI).• Provides 24x7x365 coverage• Provides centralized disaster recovery• Architecture insures application integrity and separation. Prohibits a failing application from causing an un-related application to fail.• Supports widest variety of environments – from legacy line-of-business applications to object oriented web based applications.• Parallel sysplex exploitation provides nearly 100% availability across planned and un-planned outages.• Operating systems and subsystems can operate for months without need for re-starting.• Optimization of storage and network resources.• The larger number of clients that can access the mainframe.• Processor capacity, storage capacity, I/O can be added on-demand without system restart.• Supports 24-bit, 31-bit and 64-bit applications intermixed on single instance of operating system.• Provides a mature and stable platform, operating system, and tools.• High I/O capability.

ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Application
<i>Specify the Discipline Name</i>	Development Tools

KEYWORDS

<i>List Keywords</i>	Batch, Online, transaction, high-availability, mainframe, zOS, tri-modal, virtualization, capacity on-demand, logical partitions, parallel sysplex, Linux, channels, workload manager, production printing, cryptography, Virtual Machine, VM, autonomic, security, Advanced Function Print, AFP, system managed storage UNIX, IBM
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ASSOCIATED COMPLIANCE COMPONENTS

<i>List the Compliance Component Names</i>	
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ASSOCIATED PRODUCT COMPONENTS

<i>List the Product Component Names</i>	ADSO, Advantage Gen, Assembler, COBOL, Culprit, Focus, Fortran, JCL, Lotus Notes Dominoe/Lotus Notes, PL/1, SQL, WebSphere Studio Application Developer (WTAD), XML
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CURRENT STATUS

<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i> <input type="checkbox"/> <i>Under Review</i> <input checked="" type="checkbox"/> <i>Approved</i> <input type="checkbox"/> <i>Rejected</i>
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AUDIT TRAIL

<i>Creation Date</i>	9/21/04	<i>Date Approved / Rejected</i>	10/12/04
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			
